

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/004596

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A61K31/426 A61P27/00 A61P17/00 A61P11/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/02541 A (BIOTIE THERAPIES CORP ; JALKANEN MARKKU (FI); SMITH DAVID JOHN (FI); B) 10 January 2002 (2002-01-10) abstract page 7, line 21 – page 9, line 2	1-4, 11-14, 21-24
X	WO 02/02090 A (BIOTIE THERAPIES CORP ; JALKANEN MARKKU (FI); SMITH DAVID JOHN (FI); B) 10 January 2002 (2002-01-10) abstract page 8, line 9 – page 9, line 13	1-4, 11-14, 21-24
X	US 2002/173521 A1 (JALKANEN MARKKU ET AL) 21 November 2002 (2002-11-21)  abstract paragraphs '0117!, '0118!	1-4, 11-14, 21-24

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "V" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

17 August 2004

Date of mailing of the International search report

25/08/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 97/24343 A (BOEHRINGER INGELHEIM CA LTD ; BOEHRINGER INGELHEIM PHARMA (US)) 10 July 1997 (1997-07-10)</p> <p>abstract page 49, lines 1-16 page 116; examples 18,19; table 3 pages 159-161 page 201 page 238</p> <p>-----</p>	1-6,8, 11-16, 18, 21-26,28
X	<p>WO 02/28835 A (DAISOW CO LTD ; HINOUE KAZUMASA (JP); INOUE YOSHIKAZU (JP); MIKAMI MAS) 11 April 2002 (2002-04-11)</p> <p>abstract page 145; examples 194,196,198,202,203,206-208,210,212,214 examples 217,222,224,264</p> <p>-----</p>	11-15
X	<p>WO 03/006003 A (BIOTIE THERAPIES CORP ; ALARANTA SAKARI (FI); VAINIO PETRI (FI); PIHLA) 23 January 2003 (2003-01-23)</p> <p>abstract page 10, line 19 - page 14, line 1</p> <p>-----</p>	1-4, 11-14, 21-24
X,P	<p>WO 03/072557 A (NOVARTIS PHARMA GMBH ; NOVARTIS AG (CH); BLAIR NICOLA ELAINE (GB); BLO) 4 September 2003 (2003-09-04)</p> <p>abstract page 23, paragraph 2 - page 25, paragraph 2 examples 4-13,24-27,35,38-40; table 1 examples 49,51,55-57,68-71,76 examples 80,84-86,156; table 2 example 174; table 3</p> <p>-----</p>	1-5,8, 11-15, 18, 21-25,28
X	<p>OHKUBO M ET AL: "STUDIES ON CEREBRAL PROTECTIVE AGENTS. VIII 1A) SYNTHESIS OF 2-AMINOTHIAZOLES AND 2-THIAZOLECARBOXAMIDES WITH ANTI-ANOXIC ACTIVITY"</p> <p>CHEMICAL AND PHARMACEUTICAL BULLETIN, PHARMACEUTICAL SOCIETY OF JAPAN. TOKYO, JP, vol. 43, no. 9, 1995, pages 1497-1504, XP000887179 ISSN: 0009-2363 abstract; compound 2F</p> <p>-----</p>	15,16
A	<p>WO 82/02386 A (MITSUI TOATSU CHEMICALS ; AWAYA AKIRA (JP); SAKANO ISAO (JP); KAJIYA S) 22 July 1982 (1982-07-22)</p> <p>the whole document</p> <p>-----</p>	1-30
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 114 365 A (SALOM BARBARA ET AL) 5 September 2000 (2000-09-05) the whole document -----	1-30
A	EP 1 256 578 A (PFIZER PROD INC) 13 November 2002 (2002-11-13) the whole document -----	1-30

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International application No.  
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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 1–10 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/004596

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0202541	A	10-01-2002		AU 8216201 A AU 8216301 A CA 2414799 A1 CA 2414807 A1 CN 1450997 T CN 1450998 T EP 1301495 A2 EP 1313718 A2 WO 0202541 A2 WO 0202090 A2 HU 0301336 A2 HU 0301625 A2 JP 2004501962 T JP 2004502682 T NO 20026282 A NO 20026283 A NZ 523463 A NZ 523464 A US 2004106654 A1 US 2002173521 A1 ZA 200300063 A ZA 200300064 A		14-01-2002 14-01-2002 10-01-2002 10-01-2002 22-10-2003 22-10-2003 16-04-2003 28-05-2003 10-01-2002 10-01-2002 28-08-2003 28-11-2003 22-01-2004 29-01-2004 03-03-2003 28-02-2003 25-06-2004 31-10-2003 03-06-2004 21-11-2002 22-07-2003 22-07-2003
WO 0202090	A	10-01-2002		AU 8216201 A AU 8216301 A CA 2414799 A1 CA 2414807 A1 CN 1450997 T CN 1450998 T EP 1301495 A2 EP 1313718 A2 WO 0202541 A2 WO 0202090 A2 HU 0301336 A2 HU 0301625 A2 JP 2004501962 T JP 2004502682 T NO 20026282 A NO 20026283 A NZ 523463 A NZ 523464 A US 2004106654 A1 US 2002173521 A1 ZA 200300063 A ZA 200300064 A		14-01-2002 14-01-2002 10-01-2002 10-01-2002 22-10-2003 22-10-2003 16-04-2003 28-05-2003 10-01-2002 10-01-2002 28-08-2003 28-11-2003 22-01-2004 29-01-2004 03-03-2003 28-02-2003 25-06-2004 31-10-2003 03-06-2004 21-11-2002 22-07-2003 22-07-2003
US 2002173521	A1	21-11-2002		US 2004106654 A1 AU 8216201 A AU 8216301 A CA 2414799 A1 CA 2414807 A1 CN 1450997 T CN 1450998 T EP 1301495 A2 EP 1313718 A2 WO 0202541 A2 WO 0202090 A2 HU 0301336 A2		03-06-2004 14-01-2002 14-01-2002 10-01-2002 10-01-2002 22-10-2003 22-10-2003 16-04-2003 28-05-2003 10-01-2002 10-01-2002 28-08-2003

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/004596

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 2002173521	A1		HU 0301625 A2 JP 2004501962 T JP 2004502682 T NO 20026282 A NO 20026283 A NZ 523463 A NZ 523464 A ZA 200300063 A ZA 200300064 A	28-11-2003 22-01-2004 29-01-2004 03-03-2003 28-02-2003 25-06-2004 31-10-2003 22-07-2003 22-07-2003
WO 9724343	A 10-07-1997		AT 227279 T AU 1682897 A BG 102583 A BR 9612435 A CA 2192433 A1 CZ 9802072 A3 DE 69624728 D1 DE 69624728 T2 DK 871619 T3 EE 9800154 A EP 0871619 A1 ES 2186811 T3 HU 9902341 A2 JP 2000502702 T NO 982950 A NZ 331104 A PL 327582 A1 PT 871619 T SI 871619 T1 SK 89398 A3 TR 9801244 T2 WO 9724343 A1 US 6348477 B1 US 6458959 B1 US 6057451 A ZA 9610850 A US 6288091 B1	15-11-2002 28-07-1997 30-06-1999 13-07-1999 30-06-1997 11-11-1998 12-12-2002 10-07-2003 03-03-2003 15-12-1998 21-10-1998 16-05-2003 28-10-1999 07-03-2000 25-06-1998 27-03-2000 21-12-1998 31-03-2003 30-04-2003 04-11-1998 21-12-1998 10-07-1997 19-02-2002 01-10-2002 02-05-2000 30-06-1997 11-09-2001
WO 0228835	A 11-04-2002		AU 9231501 A BR 0114657 A CA 2425097 A1 CN 1478077 T CZ 20031230 A3 EP 1326835 A1 HU 0301249 A2 WO 0228835 A1 JP 2004510763 T NO 20031540 A NZ 525591 A US 2004058903 A1	15-04-2002 30-09-2003 11-04-2002 25-02-2004 15-10-2003 16-07-2003 28-01-2004 11-04-2002 08-04-2004 05-06-2003 30-04-2004 25-03-2004
WO 03006003	A 23-01-2003		US 2003125360 A1 CA 2451569 A1 EP 1414426 A1 WO 03006003 A1	03-07-2003 23-01-2003 06-05-2004 23-01-2003
WO 03072557	A 04-09-2003	WO	03072557 A1	04-09-2003

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/004596

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 8202386	A	22-07-1982	JP	1626342 C		28-11-1991
			JP	2054347 B		21-11-1990
			JP	57118574 A		23-07-1982
			JP	1626343 C		28-11-1991
			JP	2055428 B		27-11-1990
			JP	57118575 A		23-07-1982
			IT	1142649 B		08-10-1986
			WO	8202386 A1		22-07-1982
US 6114365	A	05-09-2000	AU	7440000 A		19-03-2001
			BG	106481 A		30-09-2002
			BR	0013281 A		18-06-2002
			CA	2381097 A1		01-03-2001
			CN	1425009 T		18-06-2003
			CZ	20020486 A3		13-11-2002
			EE	200200064 A		15-04-2003
			EP	1204649 A1		15-05-2002
			HR	20020127 A1		30-04-2003
			HU	0202492 A2		28-11-2002
			WO	0114353 A1		01-03-2001
			JP	2003507461 T		25-02-2003
			MA	25433 A1		01-04-2002
			NO	20020683 A		10-04-2002
			PL	353588 A1		01-12-2003
			SK	1802002 A3		02-05-2003
			ZA	200201117 A		10-02-2003
EP 1256578	A	13-11-2002	BR	0201691 A		11-03-2003
			CA	2385692 A1		11-11-2002
			EP	1256578 A1		13-11-2002
			JP	2002338556 A		27-11-2002
			US	2003078252 A1		24-04-2003